

SPUNBOND NONWOVEN FABRICS FROM RECLAIMED POLYMER
AND THE MANUFACTURE THEREOF

ABSTRACT OF THE DISCLOSURE

A spunbond nonwoven fabric useful as a topsheet is produced from polypropylene filaments including a high level of reclaimed polypropylene, while maintaining a product quality, including superior formation, comparable to that obtained when using 100 percent virgin polymer. The spunbond nonwoven fabric is made with multicomponent filaments having at least two different polymer components occupying different areas within the filament cross section, and wherein one of the polymer components comprises reclaimed polypropylene recovered from previously spun polypropylene fiber or webs comprised of previously spun polypropylene fiber. In a specific embodiment, the filaments are sheath-core bicomponent filaments and the reclaimed polypropylene is present in the core component. The core of the bicomponent filament can be comprised of up to 100% reclaimed polypropylene.

CLT01/4487383v1